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*Taejin Lee; Jeong-il Seo; Dae-young Jang; Jinwoo Hong; Kyeongok Kang;*  
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Ludwig, L.F.

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*This paper appears in: Systems Integration, 1990. Systems Integration Proceedings of the First International Conference on*

Meeting Date: 04/23/1990 - 04/26/1990

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Location: Morristown, NJ USA

On page(s): 136 - 143

Reference Cited: 10

Inspec Accession Number: 3864070

### Abstract:

It is noted that, if multimedia electronic meeting and messaging systems were integrated with networked CAE/CAD (computer-aided engineering and design) great value could be added to modern design projects. Work in Bellcore's Interactive Media Architecture Laboratory (IMAL) relevant to these and other related capabilities is described. A working premises-based network with shared CAD/CAE systems, conferencing, and **messaging servers**, encompassing video, graphics, text and audio has been constructed as part of the Bellcore IMAL project. The example IMAL can be duplicated with off-the-shelf products and can be extended to link multiple premise locations through the use of commonly available DS-3 codecs and telephone-company-provided DS-3 fibers.

### Index Terms:

CAD/CAM computer networks electronic messaging multimedia systems teleconferencing Bellcore IMAL project DS-3 codecs audio broadband networks computer-aided engineering design conferencing graphics messaging servers modern design projects multimedia meeting multimedia teleconferencing multiple premise locations networked CAE/CAD off-the-shelf products shared CAD/CAE systems shared resource servers telephone-company-provided DS-3 fibers text video working premises-based network

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